

PERMITTEE NAME/ADDRESS (Include Facility Name, Location & Different)

NAME Union Oil Company of California
 ADDRESS Attn: John Zager
 P.O. Box 196247
 Anchorage, AK 99519-6247
 FACILITY Trading Bay Production Facility
 LOCATION Cook Inlet, Alaska

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

(2-16) AKG-31-5002
 PERMIT NUMBER
 (17-19) 015
 DISCHARGE NUMBER

MONITORING PERIOD
 YEAR MO DAY TO YEAR MO DAY
 08 01 01 08 01 31

OMB No. 2040-0004

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)		QUALITY OR CONCENTRATION (54-61)		NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)						
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS									
015	Produced Water Flow Rate *	SAMPLE MEASUREMENT PERMIT REQUIREMENT	3.949337 Report	4.077318 Report	MGD MGD					Weekly	Estimate						
015	Produced Water Produced Sand	SAMPLE MEASUREMENT PERMIT REQUIREMENT						No Discharge		Weekly	Estimate						
015	Produced Water pH**	SAMPLE MEASUREMENT PERMIT REQUIREMENT				7		7	su	5 / Month	Grab						
015	Flow Rate >1 mgd	SAMPLE MEASUREMENT PERMIT REQUIREMENT				6		9	su	Weekly	Grab						
015	Produced Water Oil and Grease***	SAMPLE MEASUREMENT PERMIT REQUIREMENT					15	18	mg/l	Weekly	Grab Average						
015	Produced Water Copper	SAMPLE MEASUREMENT PERMIT REQUIREMENT					29	42	mg/l	Weekly	Grab Average						
015	Produced Water Manganese	SAMPLE MEASUREMENT PERMIT REQUIREMENT					5.5	5.5	µg/l	Monthly	Grab						
015	Produced Water	SAMPLE MEASUREMENT PERMIT REQUIREMENT					2	2	mg/l	Monthly	Grab						
015	Produced Water	SAMPLE MEASUREMENT PERMIT REQUIREMENT					25	50	mg/l	Monthly	Grab						
015	Produced Water Mercury	SAMPLE MEASUREMENT PERMIT REQUIREMENT					0.2	0.2	ug/l	Monthly	Grab						
015	Produced Water Silver	SAMPLE MEASUREMENT PERMIT REQUIREMENT					0.6	1.0	ug/l	Monthly	Grab						
015	Produced Water	SAMPLE MEASUREMENT PERMIT REQUIREMENT					1	1	ug/l	Monthly	Grab						
015	Produced Water Zinc	SAMPLE MEASUREMENT PERMIT REQUIREMENT					23	47	ug/l	Monthly	Grab						
015	Produced Water	SAMPLE MEASUREMENT PERMIT REQUIREMENT					0.01	0.01	mg/l	Monthly	Grab						
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.									Date A. Haines						
John Zager General Manager Mid Continent/Alaska Business Unit											SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR	MO	DA
TYPED OR PRINTED													(907) 276-7600	08	02	20	

See Trading Bay Production Facility Page 3 of 3 for comments.

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PERMIT NUMBER
MONITORING PERIOD
YEAR 08 MO 01 DAY 01 TO YEAR 08 MO 01 DAY 31
DISCHARGE NUMBER 015

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PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)			FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS				
015 Produced Water	PERMIT					8		8			Monthly	Grab
TAH	REQUIREMENT					18		27			Monthly	Grab
015 Produced Water	SAMPLE					8		8			Monthly	Grab
TAQH	PERMIT					Report		Report			Monthly	Grab
015 Produced Water	SAMPLE					4		4			Quarterly	Grab
Total Ammonia	PERMIT					Report		Report			Quarterly	Grab
015 Produced Water	SAMPLE					143		143			Annually	Grab
Whole Effluent Toxicity Mytilus sp. *	PERMIT					283		568			Annually	Grab
015 Produced Water	SAMPLE					No Sample		No Sample			Annually	Grab
Whole Effluent Toxicity Daphnia magna	PERMIT					283		283			Annually	Grab
015 Produced Water	SAMPLE					No Sample		No Sample			Annually	Grab
Whole Effluent Toxicity Mieris beryllina	PERMIT					283		283			Annually	Grab
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John Zager General Manager Mid Continent/Alaska Business Unit	Date A. Haines SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT											
TELEPHONE	DATE											
(907) 276-7600	08 02 20											
AREA CODE	NUMBER	YEAR	MO	DA								
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)	*Identified as the most sensitive species.											

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AKG-31-6002		015	
PERMIT NUMBER		DISCHARGE NUMBER	
MONITORING PERIOD			
YEAR	MO	DAY	TO
08	01	01	31
(20-21)		(22-23)	
(24-25)		(26-27)	
(28-29)		(30-31)	

NOTE: Read instructions before completing this form.

COMMENTS PAGE 3 OF 3

- * Flow rates include deck drainage from Dolly Varden, Grayling, King Salmon, Monopod, and Steelhead Platforms.
Estimated workover fluid flow rate: 0.054750
Estimated waterflood flow rate added to produced fluid stream to prevent line freezing : 0.094752
- ** Frequency of pH measurement has been increased to more closely monitor water quality.
- *** Per Permit instructions weekly samples consist of an average of 4 grab samples over a 24 hour period.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

John Zager
General Manager
Mid Continent/Alaska Business Unit

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2016
Date A. Haines
SIGNATURE OF
PRINCIPAL EXECUTIVE OFFICER
OR AUTHORIZED AGENT

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(20-21)		(22-23)	
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